

## SEQUENCE LISTING

<110> Applied Research Systems ARS Holding N.V.  
<120> Novel leader sequences for use in production of proteins  
<130> 884 WO  
<160> 58  
<170> PatentIn version 3.1  
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<223> /note="Description of artificial sequence: IgSP-tPA pre-propeptide"  
  
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<222> (1)..(19)  
<223> murine immunoglobulin signal peptide  
  
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Gly Ala Arg  
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Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys  
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Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser  
 35 40 45

Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys  
 50 55 60

Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp

4/15

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Arg Asp Thr Val	Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp					
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Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val Cys Thr Cys						
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His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ser Asn						
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Asn						
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Val Val Lys Asn Cys Ala Asn Thr Thr Arg Ser Phe Cys Asp Leu Thr						
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Asp Glu Trp Arg Ser Thr His Glu Ala Tyr Val Thr Val Leu Glu Gly						
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Phe Ser Gly Asn Thr Thr Leu Phe Ser Cys Ser His Asn Phe Trp Leu  
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Ala Ile Asp Met Ser Phe Glu Pro Pro Glu Phe Glu Ile Val Gly Phe  
 130 135 140

Thr Asn His Ile Asn Val Met Val Lys Phe Pro Ser Ile Val Glu Glu  
 145 150 155 160

Glu Leu Gln Phe Asp Leu Ser Leu Val Ile Glu Glu Gln Ser Glu Gly  
 165 170 175

Ile Val Lys Lys His Lys Pro Glu Ile Lys Gly Asn Met Ser Gly Asn  
 180 185 190

Phe Thr Tyr Ile Ile Asp Lys Leu Ile Pro Asn Thr Asn Tyr Cys Val  
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tgccgcgagt gcgagagcgg cagcttcacc gccagcgaga accacctgcg ccactgcctg 180  
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cgcgacaccg tgtgcggtg cgcgaagaac cagtaccgcc actactggag cgagaacctg 300  
ttccagtgt tcaactgcag cctgtgcctg aacggcaccg tgcacctgag ctgccaggag 360  
aagcagaaca ccgtgtgcac ctgccacgcc ggcttcttcc tgcgcgagaa cgagtgcgtg 420  
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